

|  |  |                      |                 |
|--|--|----------------------|-----------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |  | Application No.      | 10/580,922      |
|  |  | Filing Date          | May 30, 2006    |
|  |  | First Named Inventor | Barry Slobedman |
|  |  | Art Unit             | 1653            |
| (Multiple sheets used when necessary)                    |  | Examiner             | Unknown         |
| SHEET 1 OF 3   |  | Attorney Docket No.  | SPRUS61.001APC  |

| <b>U.S. PATENT DOCUMENTS</b> |          |  |                                |                               |  |
|------------------------------|----------|--|--------------------------------|-------------------------------|--|
| Examiner Initials            | Cite No. | Document Number<br><i>Number - Kind Code (if known)</i><br>Example: 1,234,567 B1 | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |

| <b>FOREIGN PATENT DOCUMENTS</b> |          |   |                                |  |  |
|---------------------------------|----------|---|--------------------------------|--|--|
| Examiner Initials               | Cite No. | Foreign Patent Document<br><i>Country Code-Number-Kind Code</i><br>Example: JP 1234567 A1 | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant                      | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|                                 | 1        | WO 2001/016153 A1   | 03-08-2001                     | University of Medicine and Dentistry of New Jersey | T <sup>1</sup>   |
|                                 | 2        | WO 02/057437 A2   | 07-25-2002                     | The Scripps Research Institute                     |  |
|                                 | 3        | WO 02/077267 A2   | 10-03-2002                     | Corvas International, Inc.                         |  |

| <b>NON PATENT LITERATURE DOCUMENTS</b> |          |   |  |  |  |
|--|----------|---|--|--|--|
| Examiner Initials                      | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  |  |
|  | 4        | Anti-Viral HCMV IL-10 Antibody Product Data Sheet, R&D Systems Inc.   |  |  |  |
|  | 5        | BEISSER, P.S. et al. 2001 "Human Cytomegalovirus Chemokine Receptor Gene US28 Is Transcribed in Latently Infected THP-1 Monocytes." <i>Journal of Virology</i> , 75:5949-5957.  |  |  |  |
|  | 6        | BEVAN IS et al. 1993 "Detection of human cytomegalovirus DNA in peripheral blood leukocytes by the polymerase chain reaction" <i>Transfusion</i> 33:783-784.  |  |  |  |
|  | 7        | Biotinylated Anti-Viral HCMV IL-10 Antibody Product Data Sheet, R&D Systems Inc.  |  |  |  |
|  | 8        | BITSCH, A. et al. 1992 "Failure to detect human cytomegalovirus DNA in peripheral blood leukocytes of healthy blood donors by the polymerase chain reaction" <i>Transfusion</i> 32:612-617.   |  |  |  |
|  | 9        | CHEE MS et al. 1990 "Analysis of the protein-coding content of the sequence of human cytomegalovirus strain AD169." <i>Curr Top Microbiol Immunol.</i> 154:125-169.   |  |  |  |
|  | 10       | CHEVALIER MATHIEU S. et al. 2002 "Binding of Human Cytomegalovirus US2 to Major Histocompatibility Complex Class I and II Proteins Is Not Sufficient for Their Degradation." <i>Journal of Virology</i> 76:8265-8275.   |  |  |  |
|  | 11       | Database EMBL online XP002431771 (Lockridge et al.)   |  |  |  |
|  | 12       | Database EMBL online XP002431778 (Kotenko et al.)   |  |  |  |
|  | 13       | Database Geneseq online XP002431780 (Pestka and Kotenko)  |  |  |  |
|  | 14       | Database Uniprot online XP002431779   |  |  |  |

|  |                 |
|--|-----------------|
| Examiner Signature   | Date Considered |
| <b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

**T<sup>1</sup>** - Place a check mark in this area when an English language Translation is attached.

|  |  |                      |                 |
|--|--|----------------------|-----------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |  | Application No.      | 10/580,922      |
|  |  | Filing Date          | May 30, 2006    |
|  |  | First Named Inventor | Barry Slobedman |
|  |  | Art Unit             | 1653            |
| (Multiple sheets used when necessary)                    |  | Examiner             | Unknown         |
| SHEET 2 OF 3   |  | Attorney Docket No.  | SPRUS61.001APC  |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.   | T <sup>1</sup> |
|-------------------|----------|---|----------------|
|                   | 15       | GOODRUM FELICIA D. et al .2002 "Human cytomegalovirus gene expression during infection of primary hematopoietic progenitor cells: A model for latency." <i>Proc Natl Acad Sci USA</i> 99:16255-16260.   |                |
|                   | 16       | HAHN G. eta al. 1998 "Cytomegalovirus remains latent in a common precursor of dendritic and myeloid cells. <i>Proc Natl Acad Sci USA</i> 95:3937-3942.  |                |
|                   | 17       | HEGDE, N.R. et al. 2002 "Inhibition of HLA-DR Assembly, Transport, and Loading by Human Cytomegalovirus Glycoprotein US3: a Novel Mechanism for Evading Major Histocompatibility Complex Class II Antigen Presentation." <i>Journal of Virology</i> 76:10929-10941.   |                |
|                   | 18       | HSU DH et al. 1990 "Expression of interleukin-10 activity by Epstein-Barr virus protein BCRF-1." <i>Science</i> 250:830-832.  |                |
|                   | 19       | JENKINS C. et al. "Human cytomegalovirus UL111.5A-region transcripts are expressed during both experimental and natural latent infection of myeloid cells" 3 <sup>rd</sup> College of Health Sciences and Medical Foundation Research Conference: From Cell to Society 3, September 18, 2002 to September 19, 2002 Blue Mountains Australia, mini-poster number 22-9. |                |
|                   | 20       | JENKINS C. et al. 2004 "A Novel Viral Transcript with Homology to Human Interleukin-10 Is Expressed During Latent Human Cytomegalovirus Infection." <i>Journal of Virology</i> 78:1440-1447.  |                |
|                   | 21       | JONES B.C. et al. 2002 "Crystal structure of human cytomegalovirus IL-10 bound to soluble human IL-10R1." <i>Proc Natl Acad Sci USA</i> 99:9404-9409.   |                |
|                   | 22       | JUST M et al. 1975 "Immunisation trials with live attenuated cytomegalovirus TOWNE 125." <i>Infection</i> 3:111-114.  |                |
|                   | 23       | KONDO K AND MOCARSKI. ES 1995 "Cytomegalovirus latency and latency-specific transcription in hematopoietic progenitors." <i>Scan J Infect Dis Suppl</i> 99:63-67.   |                |
|                   | 24       | KONDO KAZUHIRO et al. 1994 "Human Cytomegalovirus latent infection of granulocyte macrophage progenitors." <i>Proc Natl Acad Sci USA</i> 91:11870-11883.  |                |
|                   | 25       | KOTENKO, S.V. et al. 2000 "Human cytomegalovirus harbors its own unique IL-10 homolog (CMVIL-10)" <i>Proc Natl Acad Sci USA</i> 97:1695-1700.   |                |
|                   | 26       | LANDINI MP et al. 2000 "Humoral immune response to proteins of human cytomegalovirus latency-associated transcripts." <i>Biol Blood Marrow Transplant</i> 6:100-108.  |                |
|                   | 27       | LARSSON S et al. 1998 "Cytomegalovirus DNA can be detected in peripheral blood mononuclear cells from all seropositive and most seronegative healthy blood donors over time." <i>Transfusion</i> 38:271-278.  |                |
|                   | 28       | LOCKRIDGE KIRSTEN M. et al. 2000 "Primate Cytomegaloviruses Encode and Express an IL-10-like Protein." <i>Virology</i> 268:272-280.   |                |
|                   | 29       | MENDELSON M et al. 1996 "Detection of endogenous human cytomegalovirus in CD34+ bone marrow progenitors." <i>J Gen Virol</i> 77:3099-3102.  |                |
|                   | 30       | MIYAZAKI ISAO et al. 1993 "Viral Interleukin 10 Is Critical for the Induction of B Cell Growth Transformation by Epstein-Barr Virus." <i>J. Exp Medicine</i> 187:439-447.   |                |
|                   | 31       | MOORE K. W. et al. 2001 "Interleukin-10 and the Interleukin-10 receptor." <i>Annu Rev Immunol</i> 19:683-765.   |                |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

|  |                      |                 |
|--|----------------------|-----------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | Application No.      | 10/580,922      |
|  | Filing Date          | May 30, 2006    |
|  | First Named Inventor | Barry Slobedman |
|  | Art Unit             | 1653            |
| (Multiple sheets used when necessary)                    | Examiner             | Unknown         |
| SHEET 3 OF 3   | Attorney Docket No.  | SPRUS61.001APC  |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>1</sup> |
|-------------------|----------|---|----------------|
|                   | 32       | MOORE KW et al. 1990 "Homology of cytokine synthesis inhibitory factor (IL-10) to the Epstein-Barr virus gene BCRFI." <i>Science</i> 248:1230-1234.   |                |
|                   | 33       | PLOTKIN S. A. et al. 1975 "Candidate Cytomegalovirus Strain for Human Vaccination." <i>Infection and Immunity</i> 12:521-527.   |                |
|                   | 34       | QUINNAN GV Jr. et al. 1984 "Comparative virulence and immunogenicity of the Towne strain and a nonattenuated strain of cytomegalovirus" <i>Ann Intern Med</i> 101:478-483.  |                |
|                   | 35       | RAWLINSON W. D. and BARRELL B. G. 1993 "Spliced Transcripts of Human Cytomegalovirus." <i>Journal of Virology</i> 6:5502-5513.  |                |
|                   | 36       | REDPATH, S et al. 2001 "Hijacking and exploitation of IL-10 by intracellular pathogens." <i>Trends in Microbiology</i> 9:86-92.   |                |
|                   | 37       | RODE HJ et al. 1993 "The genome of equine herpesvirus type 2 harbors an interleukin 10 (IL10)-like gene." <i>Virus Gene</i> . 7:111-116.  |                |
|                   | 38       | SLOBEDMAN B. et al. 1999 "Quantitative Analysis of Latent Human Cytomegalovirus." <i>Journal of Virology</i> 73:4806-4812.  |                |
|                   | 39       | SLOBEDMAN B. et al. 2002 "Latent cytomegalovirus down-regulates major histocompatibility complex class II expression on myeloid progenitors." <i>Blood</i> 100:2867-2873.   |                |
|                   | 40       | SMITH KL et al. 1993 "Detection of cytomegalovirus in blood donors by the polymerase chain reaction." <i>Transfusion</i> 33:497-503.  |                |
|                   | 41       | SÖDERBERG-NAUCLÉR et al. 1997 "Reactivation of Latent Human Cytomegalovirus by Allogeneic Stimulation of Blood Cells from Healthy Donors" <i>Cell</i> 91:119-126.   |                |
|                   | 42       | SPENCER J.V. et al. 2002 "Potent immunosuppressive Activities of Cytomegalovirus-Encoded Interleukin-10" <i>Journal of Virology</i> 76:1285-1292.   |                |
|                   | 43       | TANIGUCHI M. et al. 1996 "Essential requirement of an invariant Vα14 T cell antigen receptor expression in the development of natural killer T cells" <i>Proc Natl Acad Sci USA</i> 93:11025-11028.   |                |
|                   | 44       | TAYLOR-WEIDEMAN, J. et al. 1991 "Monocytes are a major site of persistence of human cytomegalovirus in peripheral blood mononuclear cells" <i>Journal of General Virology</i> 72:2059-2064.   |                |
|                   | 45       | TOMAZIN, R. et al. 1999 "Cytomegalovirus US2 destroys two components of the MHC class II pathway, preventing recognition by CD4+ T cells" <i>Nature Medicine</i> 5:1039-1043.   |                |
|                   | 46       | WHITE K.L. et al. 2000 "Human Cytomegalovirus Latency-Associated Protein in pORF94 Is Dispensable for Productive and Latent Infection" <i>Journal of Virology</i> 74: 9333-9337.  |                |
|                   | 47       | Xu Z-G et al. 2001 "The latency pattern of Epstein-Barr virus infection and viral IL-10 expression in cutaneous natural killer/T-cell lymphomas." <i>British Journal of Cancer</i> 84:920-925.  |                |

4790414  
012208

|  |                 |
|--|-----------------|
| Examiner Signature   | Date Considered |
| <b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.